

UNITED STATES AIR FORCE

**SCHOOL OF AEROSPACE
MEDICINE**

AIR FORCE MATERIEL COMMAND



Brooks City-Base, Texas

**GLOBAL MEDICINE 2007
STUDENT INFORMATION
HANDBOOK**

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STUDENT INFORMATION HANDBOOK
(Rules of Engagement)
Course Director: LtCol Thomas Clarke

Welcome to San Antonio, Brooks City Base, and Global Medicine! We've put together a superb course designed to give you a fair chunk of practical knowledge and some practical tools to use while serving as an operational military physician. With deployments occurring all over the world, it's critical that all services maintain a pool of trained professionals who understand the unique and varied medical threats that exist in these locations. The ability to identify these threats and develop workable mitigation steps that can be used while focusing on mission completion are key to success in this environment.

Global Medicine Course Objectives/Goals

The primary purpose of this course is to train military physicians, PAs, and IDMTs to plan, prepare, and execute medical support for operational missions. The course is designed to train operational military physicians to better prepare for, recognize, diagnose and treat diseases and conditions that are non-endemic or unusual in the US and that may be encountered either during or after return from a deployment. We strive to provide the following:

- Enhance appreciation of the variability in disease distribution throughout the world.
- Develop competency in pre-deployment risk assessment
- Enhance ability to develop appropriate countermeasures to prevent or treat conditions of military significance.
- Increase existing capabilities to provide planning and advice to commanders of deployed troops.
- Identify useful medical information sources and consultants (pre, during and post-deployment).

This is no small task for a 2-week course, so students are expected to put a lot of time in and get as much out of the course as possible. The “bar” is set high!

Registration

On the first day of the course, you will be required to fill out a USAFSAM registration card, and attach 2 copies of your orders and 1 copy of your travel itinerary (including the cost of your airfare).

Physicians who complete all course requirements will be eligible for CME credits. Other AFSCs may seek CME/CEUs through their respective professional organization using the certificate of course completion, schedule and course description.

CME

Global medicine was approved last year for 66 hours of CME and we anticipate a similar approval for this class. You will receive a certificate of completion at graduation at the end of the full two weeks. The “official” CME certificate will be mailed to you after the course (i.e. following final approval by the CME office at Randolph AFB). This process takes about 6 weeks. Partial credit is normally not provided unless there are specific operational constraints that only allowed for partial completion of the course (e.g. deployment). Feel free to inquire as concerning your situation.

Course Structure

This 2-week course has three major components:

1. Didactics lectures
2. Practicum labs (3-hour blocks that include computer use for medical intelligence and planning, malaria and stool pathogen identification labs, medical entomology, and a Trop Med case scenario lab).
3. Administrative activities (e.g. Intro, Pre-test, A deployment preparation project with brief, Final exam, Graduation, etc.)

Optional lunchtime or after-hours learning activities may also be offered.

Punctuality

Be on time...if not, you will miss valuable information and you will be distracting to others as you trip over them while trying to get to your seat.

Classroom Etiquette

Golden Rule stuff... be considerate and courteous to both the guest instructors and your fellow students. Minimize talking during lectures and whisper if you have to say something. Mute or turn off your cell phones and beepers. If you must take a call, leave quietly and talk in the hall. Note: There are no food/drinks (other than bottled water) allowed in the auditorium though in reality this is not really enforced. Just clean up after yourself and no one will mind. If you're getting drowsy, feel free to get up and stand in the back of the auditorium... sleeping is frowned upon and public snoring may result in nasty practical jokes by fellow classmates. **Also note that the auditorium is always too cold!! Bring a jacket (or long underwear if you are known to be easily chilled).**

Attendance

The expectation is that you will make all lectures and practicum labs. You are here in an Air Force supported seat and are on duty throughout the course period. You'll be expected to attend any/all team sessions while preparing your Med Deployment Scenario briefing (i.e. it's a team effort and the final presenter will likely be chosen at random... so everyone needs to be prepared to give it).

Free Time and Travel

Evenings and weekends are yours to do as you choose. It's unfortunate that our billeting and transportation constraints make a regular fitness routine quite challenging. I have added a longer lunches for those who want to exercise over lunch. Take advantage of what San Antonio has to offer. Please use common sense and caution while having a good time. There is no problem with leaving town over the weekend to visit other points of interest in the area. However, if you plan to go farther than the San Antonio-Austin-Hill Country region, you must notify the course director. We will need a way to contact you (e.g. cell phone, etc.).

Class Flights

The class is typically divided into 5 flights of 25-30 people. These flights will be particularly important for the labs as rotation schedules are set up using them. I will not

have flight commanders or designated SRO and will expect individuals to be responsible for themselves. Deal with me directly for issues.

Notebooks

You will not receive the usual notebook of slide presentations for this course. We encourage taking notes. After the conclusion of the course all course presentations will be available either on the website or via disc. The course (and test) are based on the book which lectures support.

Book

The book for the course is Control of Communicable Diseases in Man 18th edition. We have copies of the 17th addition for loan. **However, I highly recommend you acquire the current issue and bring it with you.** This is the primary reference text used in the course and is a valuable resource for every operational medic to have. It is not a book you want to deploy without. I cannot issue the book and cannot assure that I will have the new versions by next course (it is in as an unfunded requirement). Having a personal copy will allow you to make notes during lectures as you see fit that you can then use in future real world scenarios.

Studying

You'll be expected to read the pertinent chapters in Control of Communicable Diseases in Man to solidify information obtained in the lectures and to prepare for the final exam.

Uniforms

Uniform of the day at Brooks is BDU or flight suit. You can wear whatever uniform you'd like. **Remember that you may want a jacket at times as the auditorium is always too cold and we seem powerless to control the temperature.** There is no need to bring service dress. Note that we have many young airman at the school and it is important that we, as officers, set a good example for them. If you encounter these airman out-of-doors while here, either singly or marching in formation, please render the proper courtesies.

Billeting (Brooks Inn)

For this course, you do not have to arrange your own billeting – **if you are officially registered for the course, we will take care of billeting for you.** Statements of Non-Availability will be available at the contract hotel where you are billeted. As of right now you will all be billeted at La Quinta, (formerly the Heritage Hotel, formerly the Coachmen) close to base. I'd love to get you something more POSH but it is outside my control.

Transportation

A military shuttle will run from the hotel to USAFSAM **twice daily**--once to get you on base before the 0730 start time and once to get you back to your motel after classes end. Morning pick-up schedule will be posted at the contract lodging sites... generally, pick-up is at **0700**. Those with cars or those who can carpool may, of course,

do so. I don't care how you get here just get here on time. If you miss the shuttle and can't get another ride, call the course director. There will be a beer fine of course.

Meals

Meals are on your own...unfortunately there are few options on our downsized City-Base, but there are a number relatively close by. On Brooks, there are only two food-serving facilities still in operation:

Sidney's Deli 3 minute walk east from the school (across from the gym). **Breakfast** M-F: 0545-0730, and S/S: 0800-1000. **Lunch buffet** M-F: 1045-1300

Golf Pro Shop 3 minute walk NW of school... **lunch** sandwich specials, chili, etc. M-F: 1000-1400

However, across the street from the base there are numerous options from Dairy Queen and Whataburger to Jonny Carino's and Starbucks. I've included a map of the area around the base at the end of this handbook that shows the location of some potential lunch restaurants.

Snacks during training

In addition to coffee at breakfast and breaks, the USAFSAM moral committee has agreed to run a "Pay as you go" snack bar. They will typically provide any items you are willing to pay for so let them know. Details and times will be announced on the first day. Note that there are also snack food and soda machines on either side of the school atrium.

Smoking

There are designated smoking areas we can point out to you

Optional Noon Lectures

There may be optional noontime lectures offered... these are usually operational in nature and are based on personal experiences by folks who "were there." They have been very popular and well attended in the past two years. We may offer a pre-purchased lunch (usually sub sandwiches etc.) for any students planning to participate in any of these.

Installation (Base)

Brooks AFB officially became Brooks City Base in Dec 02. There are contract security guards at the gate who check military IDs occasionally (mostly just on weekends). The gates are moving around as construction continues. By the 2007 course, I expect you will again enter from military road via the old gate area which is now commercialized. On the upside, there is a Starbucks on the way.

Because of the change in security for this City-Base, individual buildings have therefore been made more secure. Consequently, entry to USAF/SAM is restricted to the main south door, 0700-1700 each day. An ID check is often required if not in uniform. All other school doors are locked going in and out unless you have a USAFSAM badge

(swipe-card). There is an “escape” door on the South West corner of the building that you can exit from after hours (don’t ask how I know).

Fitness

The base Sports & Fitness Center has aerobics machines, a free weight room, and two weight machine rooms. There are also racquetball and basketball courts. There is an outdoor track that is lighted in the evenings. Towels and equipment can be signed out, but you must supply your own lock for a locker. A military ID is occasionally necessary to enter and use the facility. Hours are M-Th: 0530-2100, F: 0530-2000, S/S: 0900-1600.

Additional Services

Should you need a haircut (and please make sure I’m not the one to have to point that out) or if your uniforms need cleaning/pressing, the following services are available:

- Barber Shop (in Sydney’s building... call 4-2200 or comm. 536-2200)
- Dry Cleaners (in Sydney’s building ... call 4-2341 or comm. 532-2341)

Medical/Dental Clinic

There is a small clinic on base that can handle sick call-type conditions... it opens at 0800 and the numbers are 4-2088 (or comm. 536-2088). Referral or transfer to either Wilford Hall Medical Center (Lackland AFB) or Brooke Army Medical Center (Fort Sam Houston) will be initiated for more serious conditions. Emergencies should be handled by calling 911, both on-base and off-base. Please notify your SRO and the Course Director if you (or a fellow student) must be seen for any significant medical condition.

Chapel

The Brooks Chapel can be reached at 4-3824 (or comm. 536-3824). Sunday services are: Catholic Mass 0900, General Protestant service 1030

Note: For Eastern Orthodox, Jewish, Islamic, or Buddhist services, call the Lackland AFB Chapel at 670-2911 for service times.

Restrooms

Easy to find and located just outside the main auditorium. There are 2 smaller sets of men’s and women’s toilets located near the junk food machines on either side of the atrium. Please keep restrooms clean and tidy.

Computers

Access to USAF/SAM computers (i.e. primarily in the computer lab) is limited to those students who have accomplished the required basic computer security training and who have been issued a log-on and password. **BRING A COPY OF SOME FORM OF COMPUTER SECURITY AWARENESS TRAINING.** I will attempt to get as wide an acceptance of this requirement as possible.

Phones

There are several class-A phones (i.e. for DSN/local calls) outside of the main auditorium.

Incoming Messages

Routine messages can be left for you at DSN-240-2845 or comm. (210) 536-2845. The caller should state that you are a “Student in Global Medicine.” Messages will be posted on the auditorium board.

Non-Medical Emergencies

Emergency situations will be handled like other times using proper chain of command and notification. Notify the course director ASAP so we can work a solution. My office phone is 240-4099 or comm. 536-4099, my cell phone is 210-834-8322.

Course Requirements

The requirements to successfully pass Global Medicine are as follows:

1. Attendance at all scheduled lectures
2. Participation/skill demonstration during all 5 labs
3. Passing the final examination (minimum score 70%)
4. Participation in the group deployment project and medical threat brief

Academic Disenrollment

Academic disenrollment is very unusual but occasionally occurs with someone who fails to attend lectures/labs as required. However, please understand that failure to meet academic standards (in accordance with the student evaluation plan), can result in disenrollment of a student. A student may be reinstated only with the approval from both the USAFSAM commander and home unit with consultation from the USAF MAJCOM or equivalent. A student retains the right to address an academic disenrollment through their Service chain of command.

Non-Academic Disenrollment

Non-academic disenrollment may occur for any reason that prevents a student from completing course objectives and is outside their control. These reasons may include everything from emergency leave to problems with conduct. The decision to disenroll lies with the GM course director and the USAFSAM commander. The participating service will be notified, if at all possible, prior to initiating disenrollment action. Final appeal will be through the members chain of command.

Instruction Critiques

There are two critique forms you must complete before graduating, both of which will be provided. The first is a multi-page sheet broken down by instruction block and the respective instructor. Ratings are nice but specific comments are often more helpful. Your input will help decide future topics and which lecturers return or are given the hook.

The second critique is an official USAFSAM 1-page (green) critique sheet addressing the overall course. It is required by the school and should be completed and turned into to the registrar just prior to graduation.

Graduation Ceremony

Graduation will be informal.

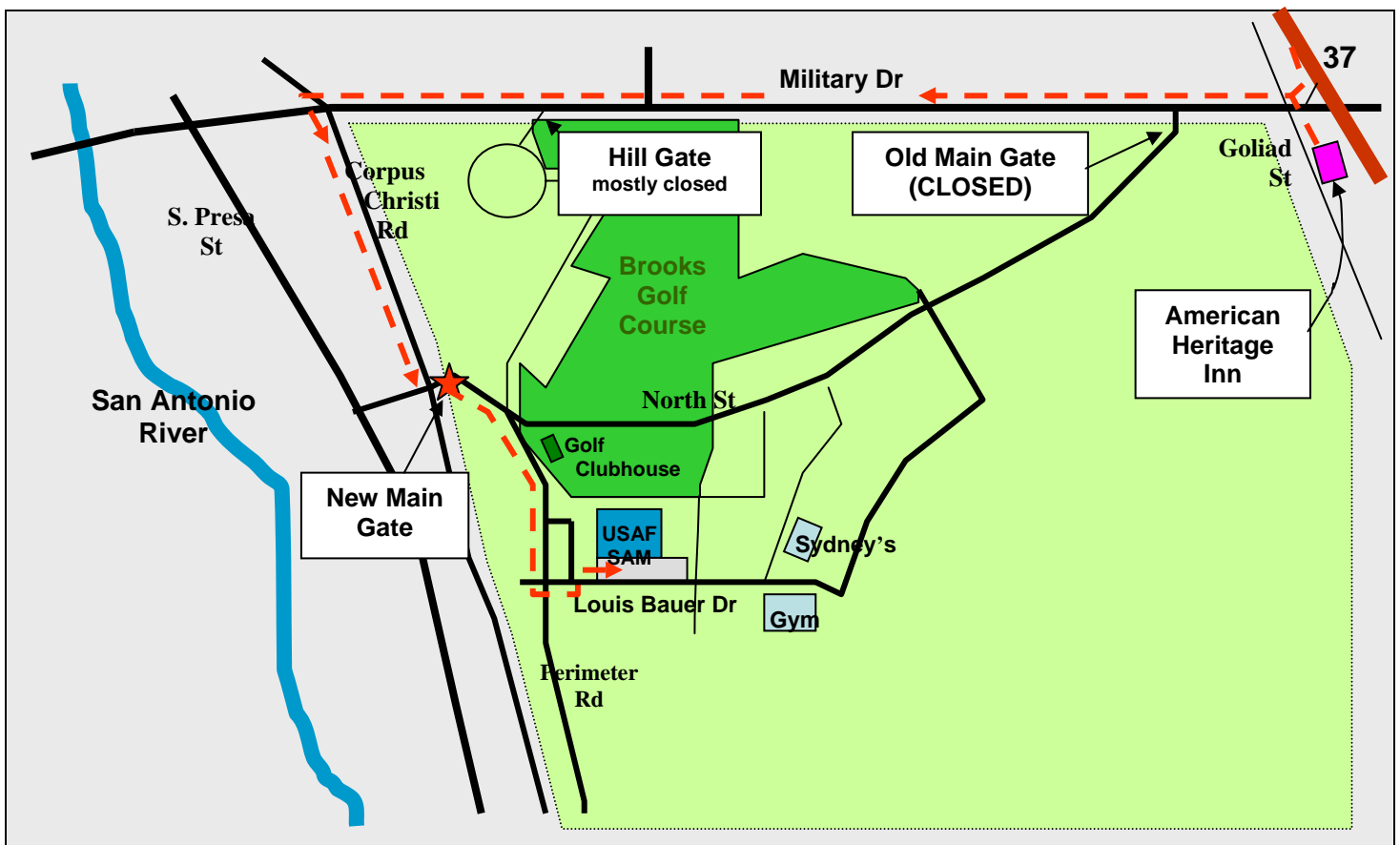
Re-testing

Students who do not achieve a 70% score on Thursday's final examination will meet with the course director for some additional coaching on study techniques and then allowed one opportunity to re-test on Friday after the graduation ceremony (i.e. from 1230-1330).

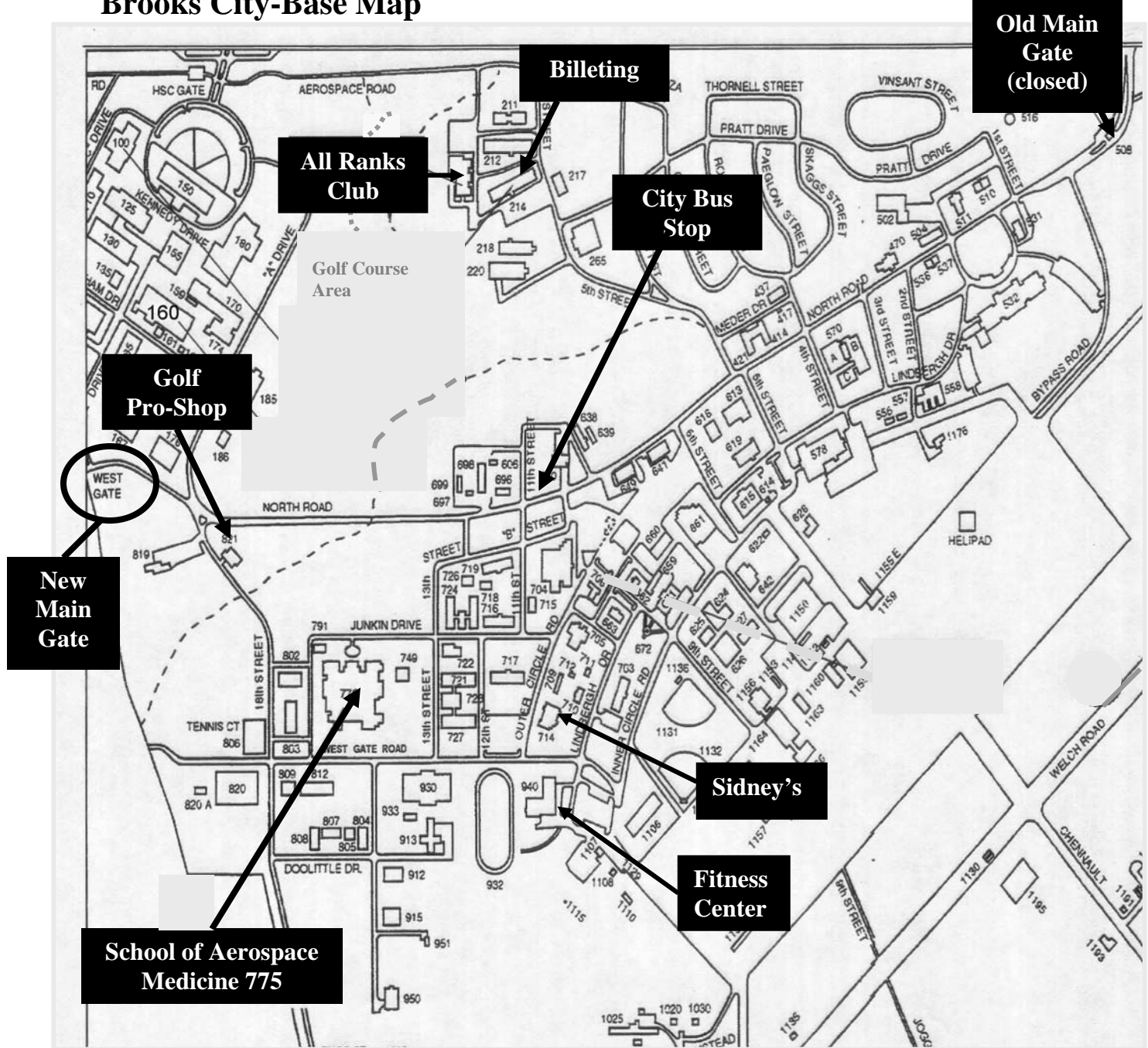
Earliest Departure

Officially we have you until Friday at 1330. In all honesty, unless you fail the test (rare) you will easily be finished by 1000 Friday morning and can easily make any flight after 1200. USAFSAM will not be responsible for any costs resulting from delayed or cancelled airline flights.

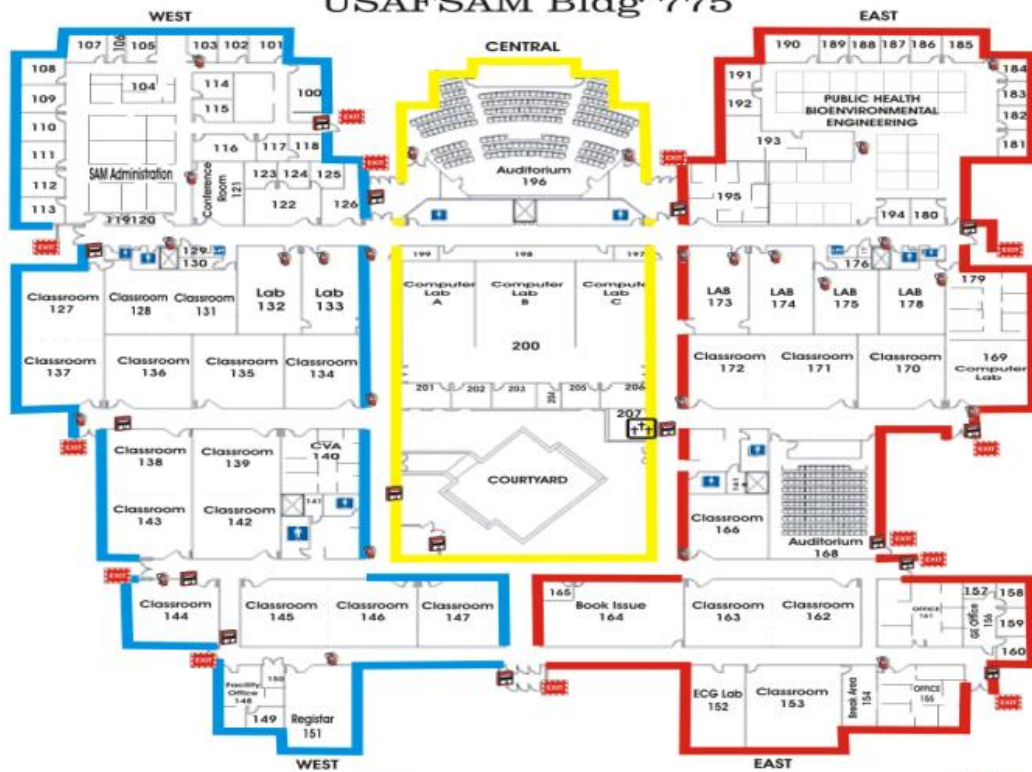
**Updated map of Brooks City-Base... directions to new Front
(West) Gate and to USAFSAM**



Brooks City-Base Map



USAFSAM Bldg 775

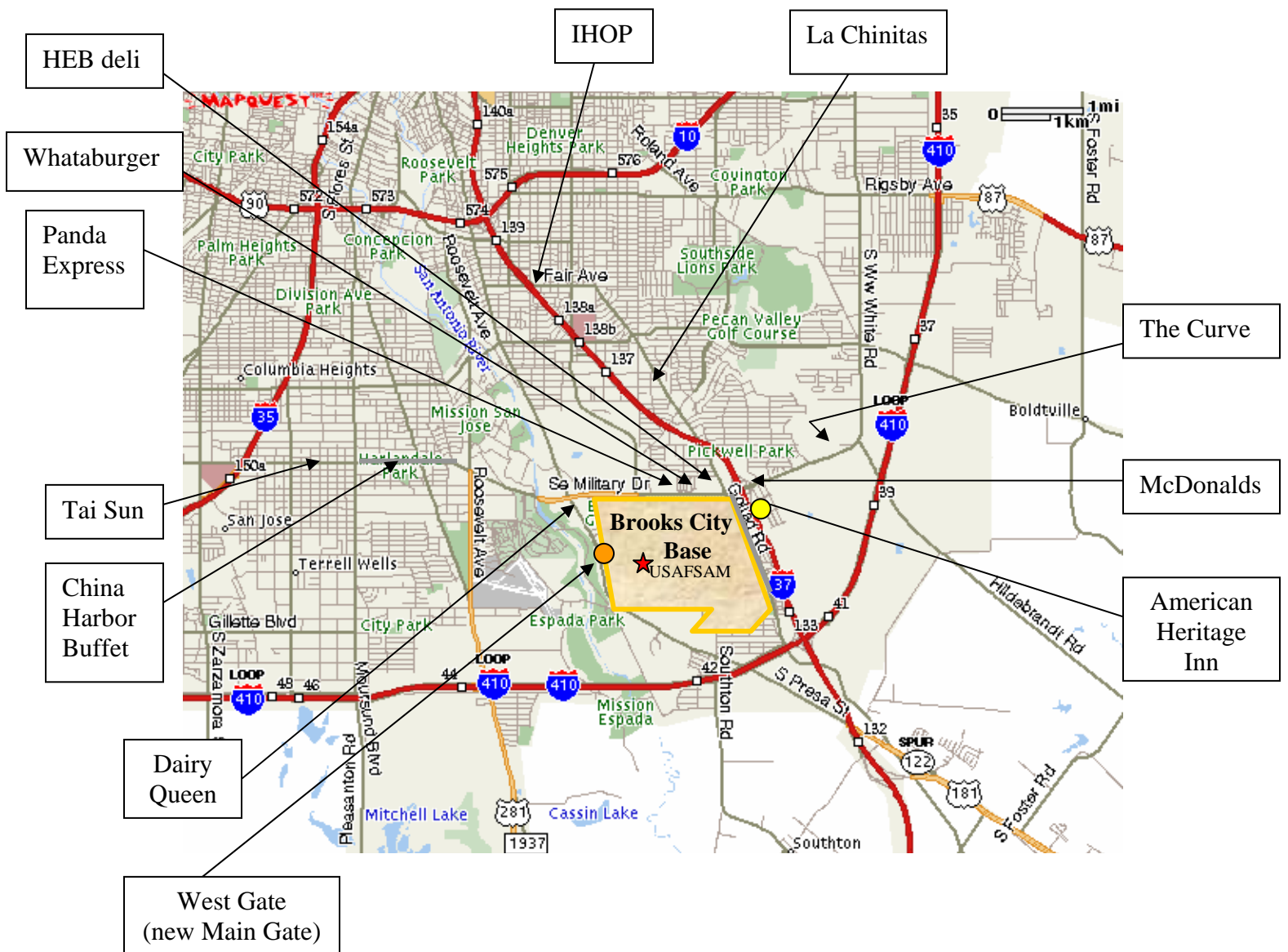


PULL STATION = 

FIRE EXTINGUISHER = 

EXIT LOCATIONS = 

Restaurants Close to Brooks City-Base and American Heritage Inn



QUICK REFERENCE TELEPHONE LISTINGS

INFORMATION	DSN	COMMERCIAL (210)
Brooks AFB	240-1110	536-1110
LOCAL MIL OPERATORS		
Ft Sam Houston	471-1211	221-1211
Brooke Army Medical Center	429-4141	916-4141
Kelly AFB	945-1110 (5-1110 from Brooks)	925-1110 or 926-1110
Lackland AFB	473-1110 (3-1110 from Brooks)	671-1110
Wilford Hall	554-7100 (2-7100 from Brooks)	670-7100
Randolph AFB	487-1110 (77-1110 from Brooks)	652-1110
BROOKS AFB:	(240-xxxx from outside Brooks, 4-xxxx from Brooks—see notes)	(536-xxxx unless otherwise noted below)
Brooks Club—Consolidated	4-3782	
—Sidney's Bar & Grill	4-2077	
Base Taxi Service (Mil)	4-1843	
Base Lodging	4-1844	
Base Exchange—BX		533-9161
BX Barber Shop	4-2200	
Beauty Shop		532-2381
Chapel Office	4-3824	
Cleaners		532-2341
Clinic Flight Medicine Office	4-6884/2859	
Clinic Appt Line	4-1847	
Commissary	4-2727	
Library, Base	4-2634	
Military Pay & Travel	4-5778	
Library, Aeromedical	4-3321	
Post Office		534-5979
SATO (Official Travel)	4-1800	
SATO (Leisure Travel)	4-3230	
Security	4-2851	
Sports and Fitness Center	4-2188	
Transportation	4-1843	

NOTES:

- 1) The San Antonio commercial area code is 210. The Brooks AFB DSN prefix is 240.
- 2) From SAM, dial 99 first to dial a local outside number, dial 94 first to dial DSN: For San Antonio area AF bases, just dial the following DSN prefix and the four number extension: Brooks AFB: 4-xxxx; Kelly AFB: 5 or 6-xxxx; Lackland AFB: 3-xxxx; Wilford Hall Medical Center: 2-xxxx; Randolph AFB: 77-xxxx; Randolph AFB (MPC): 75-xxxx

Education and Training Plan

1. Course Number and Title: B3OZY48X0-000, GLOBAL MEDICINE
2. Location: USAF School of Aerospace Medicine (AF), Brooks AFB, TX 78235-5252
3. Course Duration: Two Academic Weeks
4. Personnel to be Trained: The number and category of the personnel scheduled to attend this course are governed by the USAF Medical Education Program Guide associated with the fiscal year concerned. This guide lists the courses by number and training type, and identifies the number of training quotas for active duty officers, airmen, air reserve forces, US civilians, Security assistance Program members and personnel in the government or associated areas. It is also governed in part by the ITRO Health Care Committee Memorandum of Agreement between USAFSAM, the Naval School of the Health Sciences (NSHS), the US Army Medical Department Center and School (AMED), the Walter Reed Army Institute of Research (WRAIR) and the Uniformed Services University of the Health Sciences (USUHS). Representatives from the aforementioned agencies make up the core of the Triservice Tropical Medicine Curriculum Review Committee (TTMCRC) which coordinates tropical medicine training in all three military service branches. Additionally, the number of seats to be allocated to each of the services is coordinated through this committee. US Navy and US Army attendees are nominated and selected by their respective services. Spaces over current allocations are granted on a space available basis only. The USAFSAM/TA Program/Allocations schedule Part III indicates the distribution of funded or unfunded quotas for each class and user.
5. Class Size: Minimum: 40. Maximum: 160. Facility and practical laboratory exercises limit class size.
6. Class Schedule: One class per fiscal year.
7. Security Classification: Unclassified.
8. Course Objectives: The Global Medicine Course is a post-graduate (i.e. medical degree) tri-service, Continuing Medical Education program designed to train **physicians** in deployable UTC's how to identify, plan for, and treat those infectious diseases and environmental conditions of medical and military significance found worldwide. The course emphasizes the need for the physician to be able to successfully design and implement an operational medical plan that minimizes the health risk from endemic natural biologic hazards to a deploying or deployed force. To achieve this objective, lectures on infectious diseases, medical intelligence sources, deployment preparation, and surveillance/epidemiology are presented along with case studies/scenarios. Interactive laboratories on malaria and parasite diagnosis, computer access to medical intelligence sources, and medical entomology are also conducted.
9. Course Content: Suggested core topics for Global Medicine were established in 1993 by the TTMCRC. Actual topics presented may vary slightly on a per iteration basis depending upon the needs of the DOD, but major topic changes must be coordinated with the TTMCRC prior

to implementation. See attached listing

10. Prerequisites: Officers or governmental medical personnel directly involved in tropical medicine, preventive medicine, epidemiology and patient care of military forces and personnel of governmental agencies. International students require an English Comprehension Level of 80 SA.
11. Special Notes: The Office of the Surgeon General, United States Air Force, designates this educational activity for a maximum of 60 hours in category 1 credit towards the AMA Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity. This activity has been jointly planned and implemented in accordance with the Essential Areas and ancillary policies of the Accreditation Council for Continuing Medical Education (ACCME) by the Office of the Surgeon General, United States Air Force and the 59 MDW. The Office of the Surgeon General, United States Air Force is accredited by the ACCME to provide continuing medical education for physicians and takes responsibility for the content, quality and scientific integrity of this program.
12. Equipment and Supplies: Video Monitor system with VHS capability for 160 students. Computer based electronic presentation system with MS PowerPoint®, and CD-ROM capability. Projection surface wide enough for 2 simultaneous slide projections. Two 35mm slide projectors. One overhead projector. Thirty microscopes with 10, 40, 100X and oil immersion objectives. Six electrical power strips. Two Biohazard sharps containers. Three hundred lancets (or similar medical utensils) for doing finger sticks. Three hundred Band-Aids. Five hundred slides and slide covers. Computer Lab system with 60 student workstations with Internet access, CD-ROM/multimedia capability, and Zip drives. A total of 1.5 gigabytes storage capacity is necessary in the computer lab. *Note*: All required equipment is not available at this facility. The microscopes and supplies for the malaria lab will be obtained from the NSHS tropical medicine personnel or from the AMED at Fort Sam Houston.
13. Personnel Requirements: One Aerospace Medicine/Preventive Medicine/Occupational Medicine or tropical medicine specialist as course director. Up to forty subject matter experts as guest speakers and lab instructors/attendants. One classroom attendant/projectionist. One full time person to man the base command post. One part-time secretary. One computer specialist to assist with trouble shooting when computer lab is being used.
14. Facilities Requirements: One auditorium accommodating 160 people. Two 30-station lab rooms for the malaria and parasite lab. One 60-station computer lab. Five additional classrooms with computer based presentation systems (same as in auditorium) for the small group exercises. *Note*: All of these facilities are not currently available. The malaria and parasite labs will be conducted in a standard classroom and small group discussions will be held wherever open rooms are available.
15. Budgetary Requirements: 15-20 TDY guest instructors with average cost of \$1000. Texts costs averaging \$2200 per year. Copy reproduction - \$500/yr. Folders/binders/misc. - \$150/yr. Total annual expense averaging \$17850.
16. Accreditation/Certification: Physician attendees to this course receive 60 hours of Cat I CME from HQ AFPC/DPAME (Course # 8207).